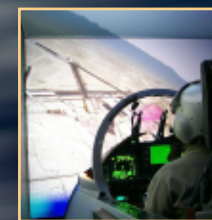
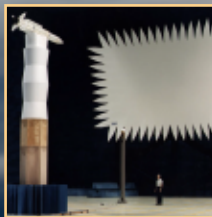
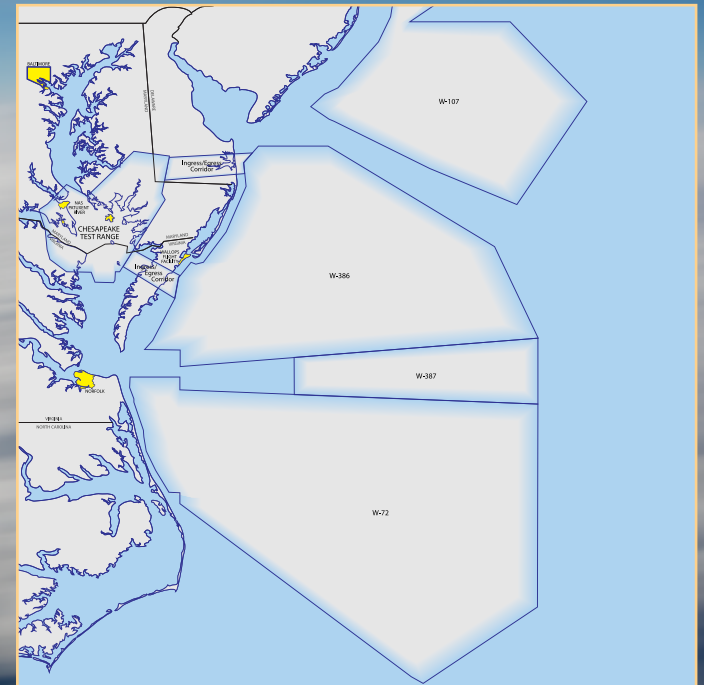


Open Air Ranges ■ Air Vehicle Modification & Instrumentation ■ Ground Test Environments ■ Threat/Target Systems

Open air ranges, ground test facilities, and laboratories are linked via the RDT&E Network for real-time Network Centric Warfare data exchange to better serve DoD, commercial and international customers.



## East and West Coast Open Air Ranges

### Patuxent River – Atlantic Test Ranges

- 30,000 square miles restricted and controlled airspace over Chesapeake Bay, Delmarva Peninsula and Atlantic Ocean – includes carrier suitability assets (catapults and traps)

### China Lake – Land Ranges and Electronic Combat Range

- 17,000 square miles restricted airspace – live ordnance capability and sled tracks

### Point Mugu – Sea Range

- 36,000 square miles controlled airspace over Pacific Ocean – can be expanded to 196,000 square miles – includes a deep water port plus San Nicolas Island with 10,000-foot runway

- Full spectrum aircraft and weapons flight test instrumentation
- Aircraft modification, design, fabrication and installation
- Rapid engineering prototyping of unique systems and components
- Air, surface and land targets with numerous types of payloads
- Fixed and portable range instrumentation and tracking systems
- Real-time telemetry
- Electronic warfare threat emitters
- Radar cross-section measurements

## East and West Coast Test Engineering

- Identifies program-critical test elements, designs experiments to evaluate battlespace concepts, translates engineering test requirements into test plans for flight tests, and analyzes flight test data to evaluate system effectiveness
- Flight test safety, aircraft maintenance services and flight operations
- Test and evaluation acquisition planning for PEOs/PMAs/IPTs
- U.S. Naval Test Pilot School, Atlantic and Pacific Test Wings
- NAVAIR Technical Assurance Board (NTAB) - monitors designated programs for technical issues arising from aviation test and evaluation
- Experimentation, test and evaluation of battlespace concepts, systems of systems and platform systems

## East and West Coast Ground Test Capabilities

- Virtual warfare environments
- Radar cross-section
- Avionics/sensor/weapons test
- Modeling and simulation

## East and West Coast Ground Test Facilities

- Air Combat Environment Test and Evaluation Facility (ACETEF)
- Electromagnetic Environmental Effects (E3)
- Manned Flight Simulator (MFS)
- Integrated Battlespace Arena (IBAR)
- Radar Reflectivity Laboratory (RRL)
- Surface/Aviation Interoperability Laboratory (SAIL)
- Anechoic chambers and shielded hangar

## For More Information

### NAVAIR Range Department

Pacific Ranges:  
(805) 989-3873

Atlantic Ranges:  
(301) 342-4480  
PAXR\_ATRCONTACT@navy.mil

### Threat/Target Systems

West Coast:  
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East Coast:  
(301) 342-1304

Integrated  
Battlespace Simulation  
& Test

Integrated  
Systems Evaluation  
Experimentation & Test

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